(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

## (19) World Intellectual Property Organization International Bureau





(43) International Publication Date 6 May 2005 (06.05.2005)

**PCT** 

## (10) International Publication Number WO 2005/041364 A1

(51) International Patent Classification<sup>7</sup>: H01R 13/629, 13/621

(21) International Application Number:

PCT/US2004/028827

(22) International Filing Date:

7 September 2004 (07.09.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 03022782.1

10 October 2003 (10.10.2003)

(71) Applicant (for all designated States except US): 3M IN-NOVATIVE PROPERTIES COMPANY [US/US]; 3M Center, Post Office Box 33427, Saint Paul, MN 55133-3427 (US).

(72) Inventors; and

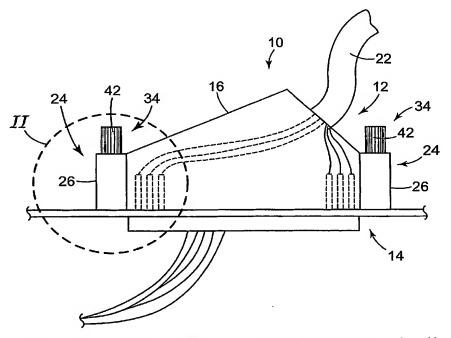
(75) Inventors/Applicants (for US only): VAN MEIJL, Hermanus, Franciscus, Maria [NL/DE]; 3M Germany, Carl-

Schurz-Strasse 1, 41453 Neuss (DE). **WESTKAMP, Harald** [DE/DE]; 3M Germany, Carl-Schurz-Strasse 1, 41453 Neuss (DE).

- (74) Agents: GOVER, Melanie, G. et al.; Office of Intellectual Property Counsel, Post Office Box 33427, Saint Paul, MN 55133-3427 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,

[Continued on next page]

(54) Title: CONNECTOR COMPONENT SYSTEM



(57) Abstract: The connector shell for a connector component of a connector arrangement for a wire cable comprises a housing; the housing being provided with at least one first guiding element having an axis for guiding the housing along a second guiding element of a mating connector component of the connector arrangement upon coupling with the mating connector component; and at least one fastening element associated to the at least one first guiding element and substantially aligned with the axis of the at least one first guiding element for engagement with the second guiding element of the mating connector component.

## 

FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

## Published:

with international search report